INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002705

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07D 471/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC7 C07D 471/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN [Caplus]

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP P2002-155081 A (SUMIKA FINE CHEMICALS. CO. LTD.) 28 May 2002 See the reaction scheme on page 1.	1 - 10
A	NISHIMURA et al., 'An intramolecular cyclization of 7-substituted 6-fluoro-1,8-naphthyridine and -quinoline derivatives [1] [2]', J. Heterocyclic Chem. Mar-Apr. 1988, Vol.25, pp.479-485 See the whole document.	1 - 10
A	SANCHEZ et al., 'An efficient synthesis of 6-fluoronalidixic acid and its cinversion to enoxacin', J. Heterocyclic Chem. Jan-Feb. 1987, Vol.24, pp.215-217 See the whole document.	1 - 10
A	EGAWA et al, 'Pyridonecarboxylic acids as antibacterial agents. 4. Synthesis and antibacterial activity of 7-(3-amino-1-pyrrolidinyl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid and its analogues', J. Med. Chem., 1984, Vol.27, pp.1543-1548 See the whole document.	1 - 10
A	MATSUMOTO e t al., 'Pyridonecarboxylic acods as antibacterial agents. 2. Synthesis and structure-activity relationships of 1,6,7-trisubstituted 1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acids, including enoxacin, a new antibacterial agent', J. Med. Chem.	1 - 10

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents,such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
17 JANUARY 2005 (17.01.2005)	**18 JANUARY 2005 (18.01.2005)**

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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2004/002705

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP P2002-155081 A	28.05.2002	None	